

## Turbo Decoding Method and Apparatus for Wireless Communications

### Abstract

In a communication system 10, a method and apparatus provide for decoding a sequence of turbo encoded data symbols. The channel nodes  $R_x$ ,  $R_y$  and  $R_z$  are updated based on a received channel output, and the outgoing messages from symbol nodes (701, 707, 708) are initialized. The symbol nodes (701, 707, 708) are in communication with the channel nodes  $R_x$ ,  $R_y$  and  $R_z$ . Updates of computational nodes C (704) and D (706) at different time instances are performed in accordance with a triggering schedule.